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U.S.S.N. 09/556,246

**Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A An isolated tribonectin comprising a boundary-lubricating amount of a polypeptide, said polypeptide comprising the amino acid sequence of SEQ ID NO:1 and at least one O-linked oligosaccharide moiety, wherein the molecular weight of said tribonectin is in the range of 220-280 kDa.
2. (Previously Presented) The tribonectin of claim 1, wherein said moiety is a  $\beta(1-3)$ Gal-GalNAc moiety.
3. – 9. (Canceled)
10. (Previously Presented) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said polypeptide reduces the coefficient of friction between bearing surfaces.
11. (Currently Amended) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said tribonectin is characterized as reducing reduces the coefficient of friction between bearing surfaces in vitro.
12. (Currently Amended) The tribonectin of claim 1, wherein said O-linked oligosaccharide moiety of said tribonectin is characterized as reducing reduces the coefficient of friction between bearing surfaces in vivo.
13. (Previously Presented) The tribonectin of claim 1, wherein addition of said tribonectin to a solution does not increase the viscosity of said solution by more than 10%.

14 – 15. (Canceled)

16. (Previously Presented) The tribonectin of claim 1, wherein at least 10% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

17. (Previously Presented) The tribonectin of claim 1, wherein at least 40% of said tribonectin is glycosylated by said O-linked oligosaccharide moiety.

18. - 39. (Canceled)

40. (Previously Presented) A biocompatible composition comprising a the isolated tribonectin of claim 1, wherein said composition is in the form of a film, membrane, foam, gel, or fiber.

41. – 54. (Canceled)

55. (Previously Presented) The tribonectin of claim 1, further comprising hyaluronic acid.

56. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 2, 3, 4, and 6-12 of a human megakaryocyte stimulating factor gene.

57. (Canceled)

58. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1, 3, and 6-12 of a human megakaryocyte stimulating factor gene.

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59. (Allowed) A composition comprising a boundary-lubricating polypeptide encoded by a nucleic acid consisting essentially of exon 1 and 6-12 of a human megakaryocyte stimulating factor gene.